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Technology Group_{LLC}**

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JAN 23 2006

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| To: | USPTO | From: | Michelle Craig, Reg. No. 52,776 |
| Fax: | 571.273.8300 | Pages: | 29, including this cover sheet |
| Phone: | | Date: | JAN 22 2006 |
| Our Ref: | 012.P59012 | CC: | |

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Please find attached for filing in connection with application no. 10/661,945, entitled STAGGERED AGC WITH DIGITALLY CONTROLLED VGA, the following documents:

- REV/POA
- Statement Under 37 CFR 3.73(b)
- Copy of Assignment of Patent Rights executed 10/31/05 (10 Pages)
- Copy of Assignment of Patent Rights executed 12/23/05 (16 Pages)

CERTIFICATE OF FACSIMILE TRANSMISSION

*I hereby certify that this correspondence is being transmitted by facsimile to the
U.S. Patent and Trademark Office on:*

JAN 22 2006

Date of Transmission

Julianne Flynn

Name of Person Transmitting Correspondence

Signature

PTO/SB/80 (04-05)

Approved for use through 11/30/2005, OMB 0051-0035
U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

POWER OF ATTORNEY TO PROSECUTE APPLICATIONS BEFORE THE USPTO

I hereby revoke all previous powers of attorney given in the application identified in the attached statement under 37 CFR 3.73(b).

I hereby appoint:

☒ Practitioners associated with the Customer Number:

00043831

OR

☐ Practitioner(s) named below (If more than ten patent practitioners are to be named, then a customer number must be used):

| Name | Registration Number | Name | Registration Number |
|------|---------------------|------|---------------------|
| | | | |
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as attorney(s) or agent(s) to represent the undersigned before the United States Patent and Trademark Office (USPTO) in connection with any and all patent applications assigned only to the undersigned according to the USPTO assignment records or assignment documents attached to this form in accordance with 37 CFR 3.73(b).

Please change the correspondence address for the application identified in the attached statement under 37 CFR 3.73(b) to:

☒ The address associated with Customer Number:

00043831

OR

| | | | |
|--|-------|-----|--|
| <input type="checkbox"/> Firm or Individual Name | | | |
| Address | | | |
| City | State | Zip | |
| Country | | | |
| Telephone | Email | | |

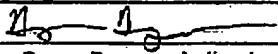
Assignee Name and Address:

Zarbaia Digital Fund LLC
2711 Centerville Road, Suite 400
Wilmington, DE 19808

A copy of this form, together with a statement under 37 CFR 3.73(b) (Form PTO/SB/96 or equivalent) is required to be filed in each application in which this form is used. The statement under 37 CFR 3.73(b) may be completed by one of the practitioners appointed in this form if the appointed practitioner is authorized to act on behalf of the assignee, and must identify the application in which this Power of Attorney is to be filed.

SIGNATURE of Assignee of Record

The individual whose signature and title is supplied below is authorized to act on behalf of the assignee

| | | | |
|-----------|---|------|-----------|
| Signature |  | Date | 1/13/06 |
| Name | Bryan Burpee, Authorized Person for Zarbaia Digital Fund LLC | | Telephone |
| Title | | | |

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

JAN 23 2006

PTO/SB/96 (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Zarbaña Digital Fund LLCApplication No./Patent No.: 10/661,945 Filed/Issue Date: 9/12/2003Entitled: STAGGERED AGC WITH DIGITALLY CONTROLLED VGAZarbaña Digital Fund LLC

(Name of Assignee)

a Limited Liability Company

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or2. ☐ an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:1. From: Neil Birkett To: Icefyre Semiconductor CorporationThe document was recorded in the United States Patent and Trademark Office at Reel 014502, Frame 0088, or for which a copy thereof is attached.2. From: Icefyre Semiconductor Corporation To: Icefyre Semiconductor, Inc.

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: Icefyre Semiconductor, Inc. To: Zarbaña Digital Fund LLC

The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.☒ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

1/23/06

Date

Michelle Craig, Reg. No. 52,776

Typed or printed name



Signature

Telephone number

Attorney at Law

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PATENT ASSIGNMENT

IceFyre Semiconductor Corporation, c/o Fraser Milner Casgrain LLP, 99 Bank Street, Suite 1420, Ottawa, Ontario, K1P 1H4

(hereinafter "Assignor")

IceFyre Semiconductor, Inc., c/o Fraser Milner Casgrain LLP, 99 Bank Street, Suite 1420, Ottawa, Ontario, K1P 1H4

(hereinafter "Assignee")

WHEREAS the Assignor and Assignee executed the Intellectual Property Transfer Agreement dated October 3, 2005, which provides for the purchase by Assignee of certain patent rights of Assignor; and

WHEREAS the Assignor, in consideration of CAD one dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged, do hereby sell, assign and transfer to the Assignee and its successors and assigns:

- (i) Assignor's entire right, title and interest in Canada, the United States and throughout the world in and out to the patents and patent applications listed in Schedule A attached hereto, including any and all inventions described therein, and in any and all continuations-in-part, continuations, divisions, substitutes, re-issues, re-examinations, or extensions thereof, and all other applications for patent relating thereto which have been filed, or hereafter shall be filed, in Canada, the United States or in any other jurisdiction and further including all rights under treaties to file and prosecute patent applications corresponding to the preceding patents and patent applications (the "Patents");
- (ii) all of Assignor's corresponding right, title and interest in and to any patents which may issue therefore, the same to be held and enjoyed by Assignee to the full end of the term for which the said patent is granted and maintained, as fully and entirely as the same could have been held and enjoyed by Assignor, and;
- (iii) the right to take action and recover in respect of any infringement of the Patents that took place prior to the date of this Assignment.

~~The Assignor hereby authorizes the issuance of any and all registrations for the Patents to the Assignee, its successors, assigns or legal representatives.~~

The Assignor hereby irrevocably designates and appoints the Assignee and its duly authorized officers and agents as the Assignor's agent and attorney in fact, to act for and on the Assignor's behalf and stead, to do all such lawful acts and things and to execute such further lawful assignments, documents, assurances, applications and other instruments as reasonably may be required by the Assignee, its successors, assigns or legal representatives, to obtain any and all

registrations for the Patents and to vest the same in the Assignee, its successors, assigns or legal representatives.

The Assignor hereby agrees to execute and sign all documents required to effect a recordation of the assignment of the Patents and registrations thereof before the proper office or agency.

The remainder of this page is intentionally left blank.

| | |
|-----------------------------------|-------------------------------------|
| EXECUTED at: <u>Toronto</u> | this <u>31</u> day of October, 2005 |
| IceFyre Semiconductor Corporation | |
| Name: <u>Jim Laird</u> | |
| Title: <u>Director</u> | |

STATEMENT OF WITNESS

I, Scott Clark, whose full post office address is _____, was personally present and did see Jim Laird, who is known to me, execute the above assignment.

Name: _____

Date: Oct 31st, 2005

COUNTERPART SIGNATURE PAGE TO
PATENT ASSIGNMENT

403504_1.DOC

IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|-----------|--|--------------|--------------|----------------------------|--------------------------|-----------------|---|
| ICE-001 | SWITCHED-MODE POWER AMPLIFIER INTEGRALLY PERFORMING POWER COMBINING | Issued | 6803362 | Published | Yes | Yes. See Below. | Issued |
| ICE-001PC | PCT Application | Nationalized | | | | | |
| ICE-001JP | Japanese Nationalization | Pending | 2003-550250 | Published | Yes | | Request for Examination due December 3, 2005. |
| ICE-001KR | Korean Nationalization | Pending | 7008505/2004 | TBD | Yes | | |
| ICE-001CN | Chinese Nationalization | Pending | 2824126.6 | TBD | Yes | | |
| ICE-001CP | SWITCHED-MODE POWER AMPLIFIER INTEGRALLY PERFORMING POWER COMBINING (CIP) | Issued | 6,937,096 | Published | Yes | | Issued |
| ICE-002 | SELECTABLE INVERSION/VARIABLE GAIN COMBINER FOR DIVERSITY RECEPTION IN RF TRANSCIVERS | Abandoned | 10/058,120 | Published | No | Yes. See Below. | Abandoned |
| ICE-002PC | PCT Application | Nationalized | | | | | |
| ICE-002CA | Canadian Nationalization | Abandoned | 2455111 | Published | Yes | | Abandoned |
| ICE-002CN | Chinese Nationalization | Pending | 2818192.1 | Published | Yes | | Abandoned, but still revivable through 1/05. |
| ICE-002EP | European Nationalization | Pending | 2748525.9 | Published | Yes | | |
| ICE-002JP | Japanese Nationalization | Pending | 2003-518082 | Published | Yes | | |
| ICE-002KR | Korean Nationalization | Pending | 7001206/2004 | TBD | Yes | | |
| ICE-002NO | Norwegian Nationalization | Pending | 20040269 | TBD | Yes | | Abandoned, but still revivable through 1/05. |

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IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|-----------|--|--------------|-------------------|-------------------------|-----------------------|--------------------------|---------------------------------------|
| ICE-003 | PSUEDO-NOISE CARRIER SUPPRESSION/IMAGE REJECTION, UP AND DOWN CONVERTERS | Pending | 10/094,826 | Allowed | Yes | | Allowed. Issue Fee due about 1/20/03. |
| ICE-003PC | PCT Application UP/DOWN | Pending | PCT/CA02/01498 | Published | Yes | | Abandoned |
| ICE-004 | CONVERSION CIRCUITRY FOR RADIO TRANSCEIVER | Pending | 10/154,282 | Published | Yes | PCT Application Pending. | |
| ICE-004PC | PCT Application | Pending | PCT/CA02/01497 | Published | Yes | | |
| ICE-005 | Oscillator Frequency Offsets | Abandoned | 10/155,107 | Published | No | PCT Application Pending. | Abandoned |
| ICE-005PC | PCT Application | Pending | PCT/CA02/01499 | Published | Yes | | |
| ICE-006 | PHASOR FRAGMENTATION CIRCUITRY AND METHOD FOR PROCESSING MODULATED SIGNALS HAVING NON- | Pending | 10/273,908 | Published | Yes | Yes. See Below. | |
| ICE-006PC | PCT Application | Nationalized | | | | | |
| ICE-006JP | Japanese Nationalization | Pending | TBD | Not Published | Yes | | |
| ICE-007 | SYSTEMS AND MODULES FOR USE WITH TRELLIS-BASED DECODING | Pending | 10/377,859 | Published | Yes | | |
| ICE-007PC | PCT Application | Abandoned | PCT/CA2004/000282 | Published | Yes | | Abandoned |
| ICE-008 | PARALLEL CONVOLUTIONAL ENCODER | Pending | 10/629,644 | Published | Yes | Yes. See Below. | |
| ICE-008PC | PCT Application | Nationalized | | | | | |
| ICE-008KR | Korean Nationalization | Pending | 7001719/2005 | Not Published | Yes | | |
| ICE-008CN | Chinese Nationalization | Pending | TBD | Not Published | Yes | | |

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IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|-----------|---|--------------|----------------|----------------------------|--------------------------|-----------------|--|
| ICE-008JP | Japanese Nationalization | Pending | 2004-525088 | Not Published | Yes | | |
| ICE-009 | PARALLEL SCRAMBLER/DESCRA MBLER | Pending | 10/629,640 | Published | Yes | Yes. See Below. | |
| ICE-009PC | PCT Application | Pending | PCT/CA03/01132 | Published | Yes | | |
| ICE-010 | COMPUTATIONAL CIRCUITS AND METHODS FOR PROCESSING MODULATED SIGNALS HAVING NON- CONSTANT ENVELOPES | Abandoned | 09/918,106 | Published | No | Yes. See Below. | Abandoned |
| ICE-010PC | PCT Application | Nationalized | | | | | |
| ICE-010CA | Canadian Nationalization | Pending | 2,455,277 | TBD | Yes | | Abandoned |
| ICE-010CN | Chinese Nationalization | Pending | 2816584.8 | Published | Yes | | |
| ICE-011PC | PCT Application | Nationalized | | | | | |
| ICE-010EP | European Nationalization | Pending | 2748528.3 | Published | Yes | | Response to Examination Report Due December 15, 2005. |
| ICE-010JP | Japanese Nationalization | Pending | 2003-518144 | Published | Yes | | |
| ICE-010KR | Korean Nationalization | Pending | 7001445/2004 | TBD | Yes | | |
| ICE-010NO | Norwegian Nationalization | Pending | 20040387 | TBD | Yes | | Abandoned, but still revivable through 1/06. |
| ICE-010CP | COMPUTATIONAL CIRCUITS AND METHODS FOR PROCESSING MODULATED SIGNALS HAVING NON- CONSTANT ENVELOPES (CIP) | Pending | 10/205,743 | Published | Yes | | |

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IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|-----------|---|-----------|--------------------|-------------------------|-----------------------|--------------------------|---|
| ICE-011 | CHIREIX ARCHITECTURE USING LOW IMPEDANCE AMPLIFIERS | Issued | 6,838,183 | Issued | Yes | Yes. See Below. | Issued |
| ICE-011JP | Japanese Nationalization | Pending | TBD | TBD | Yes | | |
| ICE-011EP | European Nationalization | Pending | TBD | Published | Yes | | Response to Examination Report Due December 17, 2005. |
| ICE-012 | MEMORY SYSTEMS AND METHOD FOR USE IN TRELLIS-BASED DECODING | Pending | 10/377,880 | Published | Yes | | |
| ICE-013 | PREDISTORTION CIRCUIT FOR A TRANSMIT SYSTEM | Pending | 10/613,355 | Published | Yes | | |
| ICE-013CP | PREDISTORTION CIRCUIT FOR A TRANSMIT SYSTEM (CIP) | Pending | 10/641,370 | Published | Yes | | |
| ICE-014 | A METHOD OF AND DEVICE FOR ANTENNAE DIVERSITY SWITCHING | Pending | 10/610,454 | Published | Yes | PCT Application Pending. | |
| ICE-014PC | PCT Application | Pending | PCT/CA2004/0009 49 | Published | Yes | | Nationalization Due: 12/30/05. |
| ICE-015 | ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM | Allowed | 10/613,372 | Issue Fee Paid | Yes | | Allowed and ready for issuance. Issue Fee Paid |
| ICE-015CP | ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM (CIP) | Allowable | 10/641,372 | Allowed | Yes | | Allowed. Issue Fee Due 12/23/05. |

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IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|------------|--|-----------|----------------|-------------------------|-----------------------|--------------------------|--|
| ICE-016 | SWITCHED-MODE POWER AMPLIFIER USING LUMPED ELEMENT IMPEDANCE INVERTER FOR PARALLEL COMBINING | Issued | 6,879,209 | Published | Yes | | Issued |
| ICE-016C1 | SWITCHED-MODE POWER AMPLIFIER USING LUMPED ELEMENT IMPEDANCE INVERTER FOR PARALLEL COMBINING (CIP) | Pending | 11/099,916 | Published | Yes | | Final (6 Month) date to respond to office action: December 17, 2005. |
| ICE-017 | INTEGRATED CIRCUIT INCORPORATING WIRE BOND INDUCTANCE | Pending | 10/610,497 | Published | Yes | | Notice of Appeal with Appeal Brief Due 12/30/05. |
| ICE-018 | DIGITAL BRANCH CALIBRATOR FOR AN RF TRANSMITTER | Pending | 10/627,881 | Published | Yes | | |
| ICE-019 | ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM WITH GAIN, PHASE AND DELAY ADJUSTMENTS | Allowed | 10/613,866 | Issue Fee Paid | Yes | PCT Application Pending. | Allowed and ready for issuance. Issue fee paid. Checking status. |
| ICE-019PC | PCT Application | Pending | CA/2004/000972 | Published | Yes | | |
| ICE-019CP1 | ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM WITH GAIN, PHASE AND DELAY ADJUSTMENTS (CIP) | Allowable | 10/641,371 | Allowed | Yes | | Allowed. Issue fee due November 22, 2005. |

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IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|------------|--|-----------|---------------|-------------------------|-----------------------|------------------------|---|
| ICE-019CP2 | ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM WITH GAIN PHASE AND DELAY ADJUSTMENTS (CIP) | Allowable | 10/641,374 | Allowed | Yes | | Allowed. Issue fee due December 6, 2005. |
| ICE-019CP3 | ADAPTIVE PREDISTORTION FOR A TRANSMIT SYSTEM WITH GAIN PHASE AND DELAY ADJUSTMENTS (CIP) | Allowable | 10/641,373 | Allowed | Yes | | Allowed. Issue fee due November 24, 2005. |
| ICE-020 | STAGGERED AGC WITH DIGITALLY CONTROLLED VGA | Pending | 10/661,945 | Published | Yes | PCT Application Filed. | |
| ICE-020PC | PCT Application | Pending | CA2004/001566 | Published | Yes | | |
| ICE-021 | OPTIMIZED FFT/FFT* MODULE | Pending | 10/662,063 | Published | Yes | | |
| ICE-022 | METHOD FOR AMPLITUDE INSENSITIVE PACKET DETECTION | Pending | 10/661,943 | Published | Yes | PCT Application Filed. | |
| ICE-022PC | PCT Application | Pending | CA2004/001565 | Published | Yes | | |
| ICE-023 | FREQUENCY DOMAIN EQUALIZER FOR WIRELESS COMMUNICATIONS SYSTEM | Pending | 10/661,147 | Published | Yes | PCT Application Filed. | |
| ICE-023PC | PCT Application | Pending | CA2004/001564 | Published | Yes | | |
| ICE-029 | METHODS AND SYSTEMS FOR SIGNAL AMPLIFICATION THROUGH ENVELOPE REMOVAL AND RESTORATION | Pending | 10/779,322 | Not Published | Yes | PCT Application Filed. | |
| ICE-029PC | PCT Application | Pending | CA2005/000153 | Not Published | Yes | | |

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IceFyre Semiconductor Corp. Patent Related Information
As of September 22, 2005

| Item | Title | Status | Number | Published / Unpublished | Fees Current and Paid | Foreign Patents | Comments |
|-----------|---|---------|------------|-------------------------|-----------------------|-----------------|---|
| ICE-030 | SYSTEMS AND METHODS FOR RAPID SIGNAL DETECTION AND IDENTIFICATION | Pending | 10/883,170 | Not Published | Yes | | |
| ICE-031 | Multiple Input, Multiple Output Communications Systems | Pending | 10/884,533 | Not Published | Yes | | |
| ICE-031C1 | Multiple Input, Multiple Output Communications Systems (Continuation) | Pending | 10/954,429 | Not Published | Yes | | |
| ICE-032 | Power Amplifier | Pending | 10/884,627 | Not Published | Yes | | |
| ICE-033PR | Improved Power Amplifier and Related Methods. | Pending | 60/625,301 | Not Published | Yes | | Provisional application. Conversion due November 5, 2005. |

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*Exhibit B***ASSIGNMENT OF PATENT RIGHTS**

For good and valuable consideration, the receipt of which is hereby acknowledged, IceFyre Semiconductor, Inc., a Delaware Corporation, ("*Assignor*"), does hereby sell, assign, transfer and convey unto Zarbana Digital Fund LLC, a Delaware limited liability company, having an office at 2711 Centerville Road, Suite 400, Wilmington, New Castle County, DE 19808 ("*Assignee*"), or its designees, all right, title and interest that exist today and may exist in the future in and to all of the following (the "*Patent Rights*"): (a) the provisional patent applications, patent applications and patents listed below; (b) all patents or patent applications to which any of the foregoing claim priority, and (c) current or future rights to (i) provisional patent applications, patent applications and patents listed below; (ii) reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, and divisions of such patents and applications; and (iii) foreign counterparts to any of the foregoing, including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants; (d) the rights to all inventions and discoveries described in any provisional patent application, patent application or patent listed below and all other rights arising out of such inventions and discoveries; (e) rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections or other governmental grants of any type related to the any of the foregoing categories (a), (b), (c) and (d), including, without limitation, under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding; (f) causes of action (whether currently pending, filed, or otherwise) and other enforcement rights, including, without limitation, all rights under the provisional patent applications, patent applications and patents listed below and/or under or on account of any of the foregoing categories (b), (c) and/or (d) to

- (i) damages,
- (ii) injunctive relief and
- (iii) other remedies of any kind

for past, current and future infringement; and

(g) all rights to collect royalties and other payments under or on account of any of the foregoing.

| <u>Item</u> | <u>Title</u> | <u>Status</u> | <u>Number</u> | <u>Country</u> | <u>Inventor</u> | <u>Filing Date</u> |
|-------------|---|---------------|---------------|----------------|-----------------|--------------------|
| ICE-001 | Switched-Mode Power Amplifier Integrally Performing Power Combining | Issued | 6,603,352 | U.S.A. | Wight, James | 12/3/2001 |
| ICE-001PC | Switched-Mode Power Amplifier Integrally Performing Power Combining | Nationalized | CA02/01847 | PCT | Wight, James | 12/3/2002 |
| ICE-001JP | Switched-Mode Power Amplifier Integrally Performing Power Combining | Pending | 2003-550250 | Japan | Wight, James | 12/3/2002 |
| ICE-001KR | Switched-Mode Power Amplifier Integrally Performing Power Combining | Pending | 7008505/2004 | Korea | Wight, James | 06/03/2004 |
| ICE-001CN | Switched-Mode Power Amplifier Integrally Performing Power Combining | Pending | 2824126.6 | China | Wight, James | 12/3/2001 |
| ICE-001AU** | Switched-Mode Power Amplifier Integrally Performing Power Combining | Lapsed | 2002351903 | Australia | Wight, James | 12/3/2002 |

| <u>Item</u> | <u>Title</u> | <u>Status</u> | <u>Number</u> | <u>Country</u> | <u>Inventor</u> | <u>Filing Date</u> |
|-------------|--|---------------|---------------|----------------|-----------------|--------------------|
| ICE-001CP | Switched-Mode Power Amplifier Integrally Performing Power Combining (CIP) | Issued | 6,937,096 | U.S.A. | Wight, James | 6/30/2003 |
| ICE-002PR | Selectable Inversion/Variable Gain Combiner for Diversity Reception In RF Transceivers | Expired | 60/307/889 | U.S.A. | Wight, James | 7/27/01 |
| ICE-002 | Selectable Inversion/Variable Gain Combiner for Diversity Reception In RF Transceivers | Abandoned | 10/068,120 | U.S.A. | Wight, James | 2/6/2002 |
| ICE-002PC | Reception Diversity Combiner with Selectable Inversion and Variable Gain | Nationalized | CA02/01150 | PCT | Wight, James | 7/26/2002 |
| ICE-002CA | Reception Diversity Combiner with Selectable Inversion and Variable Gain | Abandoned | 2455111 | Canada | Wight, James | 7/26/2002 |
| ICE-002CN | Reception Diversity Combiner with Selectable Inversion and Variable Gain | Pending | 2818192.1 | China | Wight, James | 7/26/2002 |
| ICE-002EP | Reception Diversity Combiner | Pending | 2748525.9 | EPO | Wight, James | 7/26/2002 |

| <u>Item</u> | <u>Title</u> | <u>Status</u> | <u>Number</u> | <u>Country</u> | <u>Inventor</u> | <u>Filing Date</u> |
|-------------|--|-------------------------|---------------|----------------|--------------------|--------------------|
| | with Selectable Inversion and Variable Gain | | | | | |
| ICE-002JP | Selectable Inversion/Variable Gain Combiner for Diversity Reception In RF Transceivers | Abandoned | 2003-518082 | Japan | Wight, James | 7/26/2002 |
| ICE-002KR | Selectable Inversion/Variable Gain Combiner for Diversity Reception In RF Transceivers | Pending | 7001206/2004 | Korea | Wight, James | 01/27/2004 |
| ICE-002NO | Selectable Inversion/Variable Gain Combiner for Diversity Reception In RF Transceivers | Abandoned but revivable | 20040269 | Norway | Wight, James | 7/26/2002 |
| ICE-003 | Pseudo-Noise Carrier Suppression/Image Rejection Up and Down Converters | Allowed | 10/094,826 | U.S.A. | Wight, James | 3/11/2002 |
| ICE-003PC | Pseudo-Noise Carrier Suppression/Image Rejection Up and Down Converters | Expired | CA02/01498 | PCT | Wight, James | 10/4/2002 |
| ICE-003AU** | Pseudo-Noise Carrier Suppression/Image Rejection Up and Down Converters | Lapsed | 2002328744 | Australia | Wight, James | 10/4/2002 |
| ICE-004 | Up/Down Conversion Circuitry for Radio Transceiver | Pending | 10/154,282 | U.S.A. | Birkett, Alexander | 5/22/2002 |

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|-------------|---|---------------|---------------|----------------|--------------------|--------------------|
| ICE-004PC | Up/Down Conversion Circuitry for Radio Transceiver | Expired | CA02/01497 | PCT | Birkett, Alexander | 10/4/2002 |
| ICE-004AU** | Up/Down Conversion Circuitry for Radio Transceiver | Lapsed | 2002328743 | Australia | Birkett, Alexander | 10/4/2002 |
| ICE-005 | Oscillator Frequency Offsets | Abandoned | 10/155,107 | U.S.A. | Birkett, Alexander | 5/23/2002 |
| ICE-005PC | Frequency Offset Generator for Synthesized Signals | Expired | CA02/01499 | PCT | Birkett, Alexander | 10/4/02 |
| ICE-005AU** | Frequency Offset Generator for Synthesized Signals | Lapsed | 2002328745 | Australia | Birkett, Alexander | 10/4/2002 |
| ICE-006 | Phasor Fragmentation Circuitry and Method for Processing Modulated Signals Having Non-Constant Envelopes | Pending | 10/273,908 | U.S.A. | Parker, Kevin | 10/18/2002 |
| ICE-006JP | Phasor Fragmentation Circuitry and Method for Processing Modulated Signals Having Non-Constant Envelopes | Pending | 2004-543858 | Japan | Parker, Kevin | 04/15/2005 |

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|-------------|--|---------------|---------------|----------------|-----------------|--------------------|
| ICE-006AU** | Phasor Fragmentation Circuitry and Method for Processing Modulated Signals Having Non-Constant Envelopes | Lapsed | 2003278003 | Australia | Parker, Kevin | 10/14/2003 |
| ICE-006PC | Phasor Fragmentation Circuitry and Method for Processing Modulated Signals Having Non-Constant Envelopes | Expired | 2004036862 | PCT | Parker, Kevin | 4/29/2004 |
| ICE-007 | Systems and Modules for Use with Trellis-Based Decoding | Pending | 10/377,859 | U.S.A. | Amer, Maher | 2/28/2003 |
| ICE-007PC | Viterbi Decoder Operating In Units Of a Plurality Of Transitions | Expired | CA04/000282 | PCT | Amer, Maher | 2/26/04 |
| ICE-008PR | Parallel Convolutional Encoder | Expired | 60/399,728 | U.S.A. | Amer, Maher | 8/1/2002 |
| ICE-008 | Parallel Convolutional Encoder | Pending | 10/629,644 | U.S.A. | Amer, Maher | 7/29/2003 |
| ICE-008KR | Parallel Convolutional Encoder | Pending | 7001719/2005 | Korea | Amer, Maher | 01/31/2005 |
| ICE-008CN | Parallel Convolutional Encoder | Pending | 03818236.X | China | Amer, Maher | 07/31/2003 |
| ICE-008JP | Parallel Convolutional Encoder | Pending | 2004-525088 | Japan | Amer, Maher | 03/24/2005 |

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|-------------|---|---------------|---------------|----------------|-----------------|--------------------|
| ICE-008PC | Parallel Convolutional Encoder | Nationalized | CA03/0113 | PCT | Amer, Maher | 07/31/03 |
| ICE-008AU** | Parallel Convolutional Encoder | Lapsed | 2003249822 | Australia | Amer, Maher | 7/31/2003 |
| ICE-009PR | Parallel Scrambler Descrambler | Expired | 60/411,343 | U.S.A. | Amer, Maher | 9/18/02 |
| ICE-009 | Parallel Scrambler/Descrambler | Pending | 10/629,640 | U.S.A. | Amer, Maher | 7/29/2003 |
| ICE-009PC | Parallel Scrambler/Descrambler | Expired | CA03/01132 | PCT | Amer, Maher | 7/31/2003 |
| ICE-009AU** | Parallel Scrambler/Descrambler | Lapsed | 2003249821 | Australia | Amer, Maher | 7/31/2003 |
| ICE-010PR | Processing Engines and RF Circuitry for Multi-Carrier Modulation Transceivers | Expired | 60/277,941 | U.S.A. | Wight, James | 3/23/01 |

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|-------------|---|-------------------------|---------------|----------------|-----------------|--------------------|
| ICE-010 | Computational Circuits and Methods for Processing Modulated Signals Having Non-Constant Envelopes | Abandoned | 09/918,106 | U.S.A. | Wight, James | 7/30/2001 |
| ICE-010PC | Signal Decomposition for The Control Of its Dynamic Range | Nationalized | CA02/001174 | PCT | Wight, James | 7/29/2002 |
| ICE-010CA | Signal Decomposition for The Control Of its Dynamic Range | Abandoned but Revivable | 2,455,277 | Canada | Wight, James | 7/29/2002 |
| ICE-010CN | Computational Circuits and Methods for Processing Modulated Signals Having Non-Constant Envelopes | Pending | 20818664.8 | China | Wight, James | 7/29/2002 |
| ICE-010EP | Signal Decomposition for The Control Of its Dynamic Range | Pending | 2748528.3 | EPO | Wight, James | 7/29/2002 |
| ICE-010JP | Computational Circuits and Methods for Processing Modulated Signals Having Non-Constant Envelopes | Abandoned | 2003-518144 | Japan | Wight, James | 7/29/2002 |
| ICE-010KR | Computational Circuits and Methods for Processing Modulated Signals Having | Pending | 7001445/2004 | Korea | Wight, James | 01/30/2004 |

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|-------------|---|-------------------------|---------------|----------------|-----------------|--------------------|
| | Non-Constant Envelopes | | | | | |
| ICE-010NO | Computational Circuits and Methods for Processing Modulated Signals Having Non-Constant Envelopes | Abandoned but Revivable | 20040367 | Norway | Wight, James | 1/27/2004 |
| ICE-010CP | Computational Circuits and Methods for Processing Modulated Signals Having Non-Constant Envelopes (CIP) | Pending | 10/205,743 | U.S.A. | Wight, James | 7/26/2002 |
| ICE-011 | Chireix Architecture Using Low Impedance Amplifiers | Issued | 6836183 | U.S.A. | Wight, James | 10/16/2002 |
| ICE-011JP | Chireix Architecture Using Low Impedance Amplifiers | Pending | 2004-543859 | Japan | Wight, James | 04/15/2005 |
| ICE-011PC | Chireix Architecture Using Low Impedance Amplifiers | Nationalized | CA03/001546 | PCT | Wight, James | 10/14/2003 |
| ICE-011EP | Chireix Architecture Using Low Impedance Amplifiers | Pending | 03769084 | EPO | Wight, James | 10/14/2003 |

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|-------------|---|---------------|---------------|----------------|-----------------|--------------------|
| ICE-011AU** | Chireix Architecture Using Low Impedance Amplifiers | Lapsed | 2003278004 | Australia | Wight, James | 10/14/2003 |
| ICE-012 | Memory Systems and Method for Use In Trellis-Based Decoding | Pending | 10/377,860 | U.S.A. | Amer, Maher | 2/28/2003 |
| ICE-013 | Predistortion Circuit for a Transmit System | Pending | 10/613,355 | U.S.A. | Saed, Aryan | 7/3/2003 |
| ICE-013CP | Predistortion Circuit for a Transmit System (CIP) | Pending | 10/641,370 | U.S.A. | Saed, Aryan | 8/13/2003 |
| ICE-014 | A Method Of and Device for Antennae Diversity Switching | Pending | 10/610,454 | U.S.A. | Saed, Aryan | 6/30/2003 |
| ICE-014PC | A Method Of and Device for Receive Antennae Diversity Switching | Pending | CA04/000949 | PCT | Saed, Aryan | 6/23/04 |
| ICE-015 | Adaptive Predistortion for a Transmit System | Allowed | 10/613,372 | U.S.A. | Saed, Aryan | 7/3/2003 |
| ICE-015CP | Adaptive Predistortion for a Transmit System (CIP) | Allowed | 10/641,372 | U.S.A. | Saed, Aryan | 8/13/2003 |

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|-------------|--|---------------|---------------|----------------|-------------------|--------------------|
| ICE-016 | Switched-Mode Power Amplifier Using Lumped Element Impedance Inverter for Parallel Combining | Issued | 6,879,209 | U.S.A. | Grundlingh, Johan | 7/8/2003 |
| ICE-016CP | Switched-Mode Power Amplifier Using Lumped Element Impedance Inverter for Parallel Combining (CIP) | Pending | 11/099,916 | U.S.A. | Grundlingh, Johan | 4/6/2005 |
| ICE-017 | Integrated Circuit Incorporating Wire Bond Inductance | Pending | 10/610,497 | U.S.A. | Wight, James | 6/30/2003 |
| ICE-018 | Digital Branch Calibrator for An RF Transmitter | Pending | 10/627,881 | U.S.A. | Saed, Aryan | 7/25/2003 |
| ICE-019 | Adaptive Predistortion for a Transmit System with Gain, Phase and Delay Adjustments | Allowed | 10/613,856 | U.S.A. | Saed, Aryan | 7/3/2003 |
| ICE-019PC | Adaptive Predistortion for a Transmit System with Gain, | Pending | CA04/000972 | PCT | Saed, Aryan | 6/30/2004 |

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|-------------|---|---------------|---------------|----------------|-----------------|--------------------|
| | Phase and Delay Adjustments | | | | | |
| ICE-019CPL | Adaptive Predistortion for a Transmit System with Gain, Phase and Delay Adjustments (CIP) | Allowed | 10/641,371 | U.S.A. | Saed, Aryan | 8/13/2003 |
| ICE-019CP2 | Adaptive Predistortion for a Transmit System with Gain, Phase and Delay Adjustments (CIP) | Allowed | 10/641,374 | U.S.A. | Saed, Aryan | 8/13/2003 |
| ICE-019CP3 | Adaptive Predistortion for a Transmit System with Gain, Phase and Delay Adjustments (CIP) | Allowed | 10/641,373 | U.S.A. | Saed, Aryan | 8/13/2003 |
| ICE-020 | Staggered AGC with Digitally Controlled VGA | Pending | 10/661,945 | U.S.A. | Birkett, Neil | 9/12/2003 |
| ICE-020PC | Staggered AGC with Digitally Controlled VGA | Pending | CA04/001566 | PCT | Birkett, Neil | 8/26/2004 |
| ICE-021 | Optimized FFT/IFFT Module | Pending | 10/662,063 | U.S.A. | Amer, Maher | 9/12/2003 |
| ICE-022 | Method for Amplitude Insensitive Packet Detection | Pending | 10/661,943 | U.S.A. | Birkett, Neil | 9/12/2003 |

| <u>Item</u> | <u>Title</u> | <u>Status</u> | <u>Number</u> | <u>Country</u> | <u>Inventor</u> | <u>Filing Date</u> |
|-------------|---|---------------|---------------|----------------|--------------------|--------------------|
| ICE-022PC | Method for Amplitude Insensitive Packet Detection | Pending | CA04/001565 | PCT | Birkett, Neil | 8/26/2004 |
| ICE-023 | Frequency Domain Equalizer for Wireless Communications System | Pending | 10/661,147 | U.S.A. | Saed, Aryan | 9/12/2003 |
| ICE-023PC | Frequency Domain Equalizer for Wireless Communications System | Pending | CA04/001564 | PCT | Saed, Aryan | 8/26/04 |
| ICE-029 | Methods and Systems for Signal Amplification Through Envelope Removal and Restoration | Pending | 10/779,322 | U.S.A. | Wight, James | 2/13/2004 |
| ICE-029PC | Methods and Systems for Signal Amplification Through Envelope Removal and Restoration | Pending | CA05/000153 | PCT | Wight, James | 2/7/2005 |
| ICE-030 | Systems and Methods for Rapid Signal Detection and Identification | Pending | 10/883,170 | U.S.A. | Molier, Michael L. | 07/01/2004 |
| ICE-031 | Multiple Input, Multiple Output Communications Systems | Pending | 10/884,633 | U.S.A. | Wight, James | 07/02/2004 |

| <u>Item</u> | <u>Title</u> | <u>Status</u> | <u>Number</u> | <u>Country</u> | <u>Inventor</u> | <u>Filing Date</u> |
|-------------|--|---------------|------------------|----------------|-------------------|--------------------|
| ICE-031C1 | Multiple Input, Multiple Output Communications Systems (CIP) | Pending | 10/954,429 | U.S.A. | Wight, James | 09/30/2004 |
| ICE-032 | Power Amplifier | Pending | 10/884,627 | U.S.A. | Parker, Kevin | 7/02/2004 |
| ICE-033PR | Improved Power Amplifier and Related Methods. | Expired | 60/325,301 | U.S.A. | Grundlingh, Johan | 11/05/2004 |
| ICE-033 | Power Amplifier | Pending | Not yet assigned | U.S.A. | Grundlingh, Johan | 11/07/2005 |

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Assignor shall, at the reasonable request of Assignee and without demanding any further consideration therefor, do all things necessary, proper, or advisable, including without limitation the execution, acknowledgment and recordation of specific assignments, oaths, declarations and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance shall include providing, and obtaining from the respective inventors, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellations proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights. With prior written approval by Assignee, Assignee will pay Assignor's reasonable costs and expenses.

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IN WITNESS WHEREOF this Assignment of Patent Rights is executed at _____
on _____

ASSIGNOR

By: *Michael F. Schiavo*Name: Michael F. SchiavoTitle: Director

(Signature MUST be notarized)

STATE OF Massachusetts)

) ss.

COUNTY OF Worcester)

On January 23, 2005, before me, *Kristine Cunningham*, Notary Public in and for said State, personally appeared *Michael F. Schiavo*, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Signature

Kristine Cunningham

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